

Fig. 1 Prior art

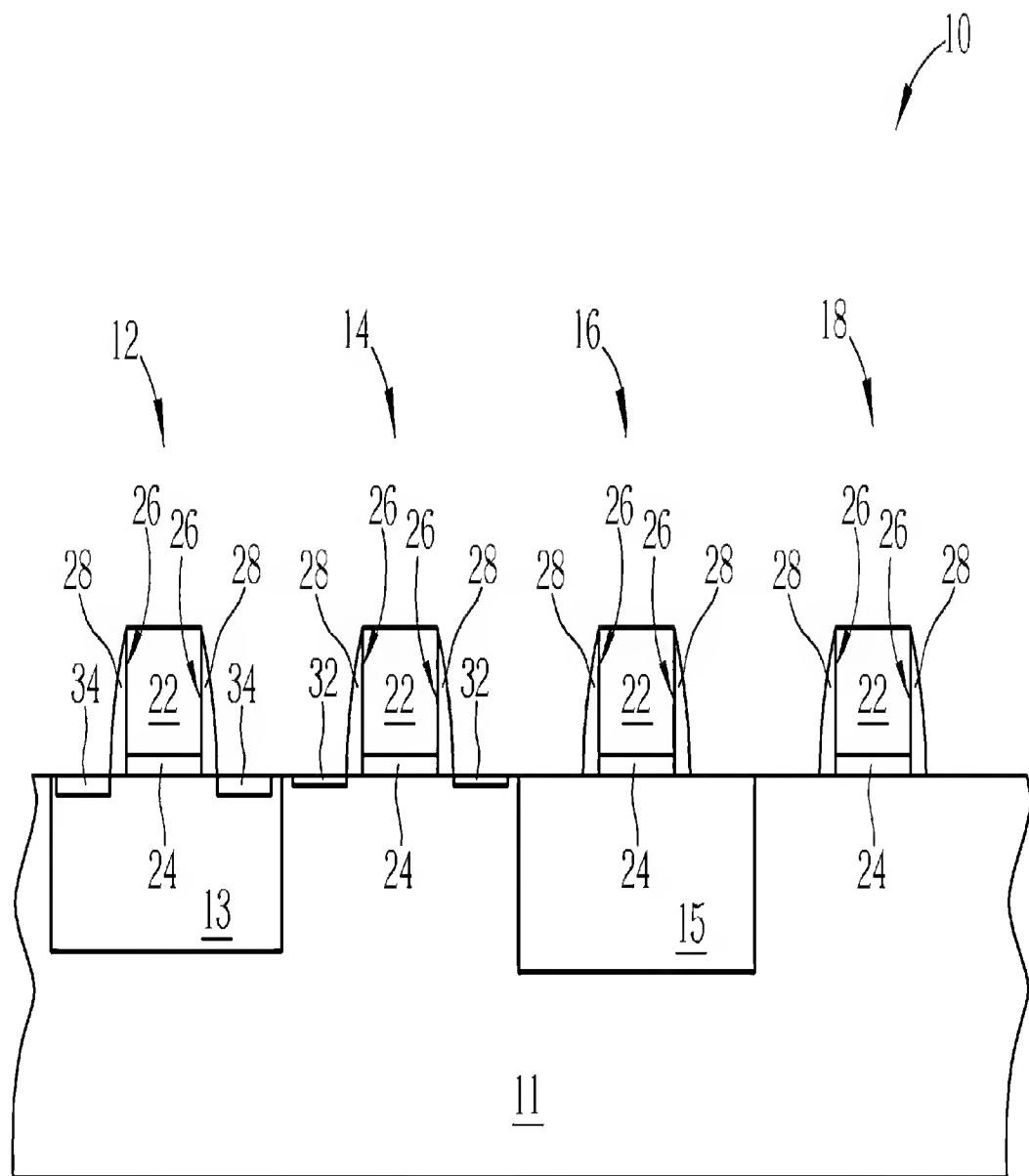


Fig. 2 Prior art

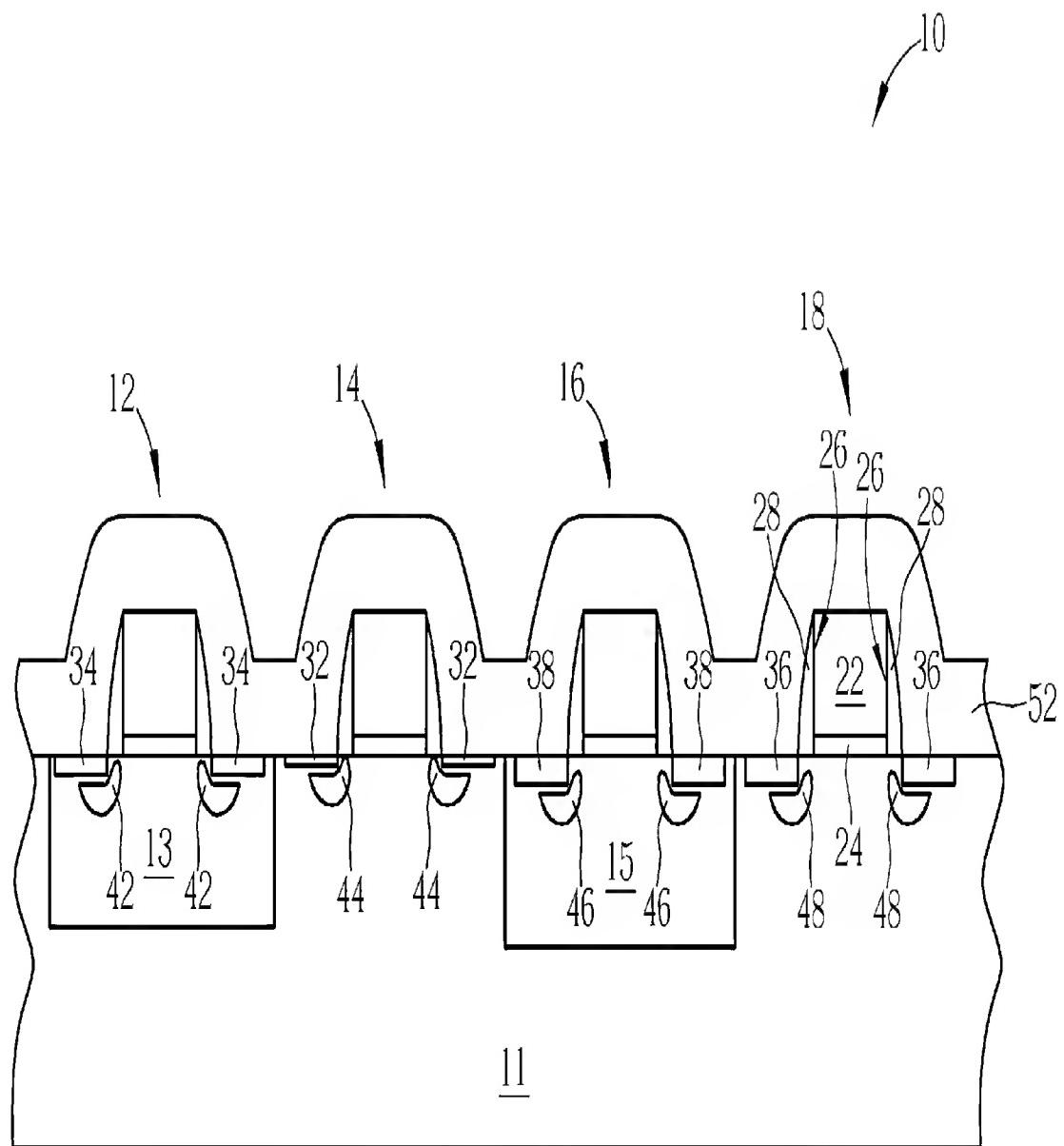


Fig. 3 Prior art

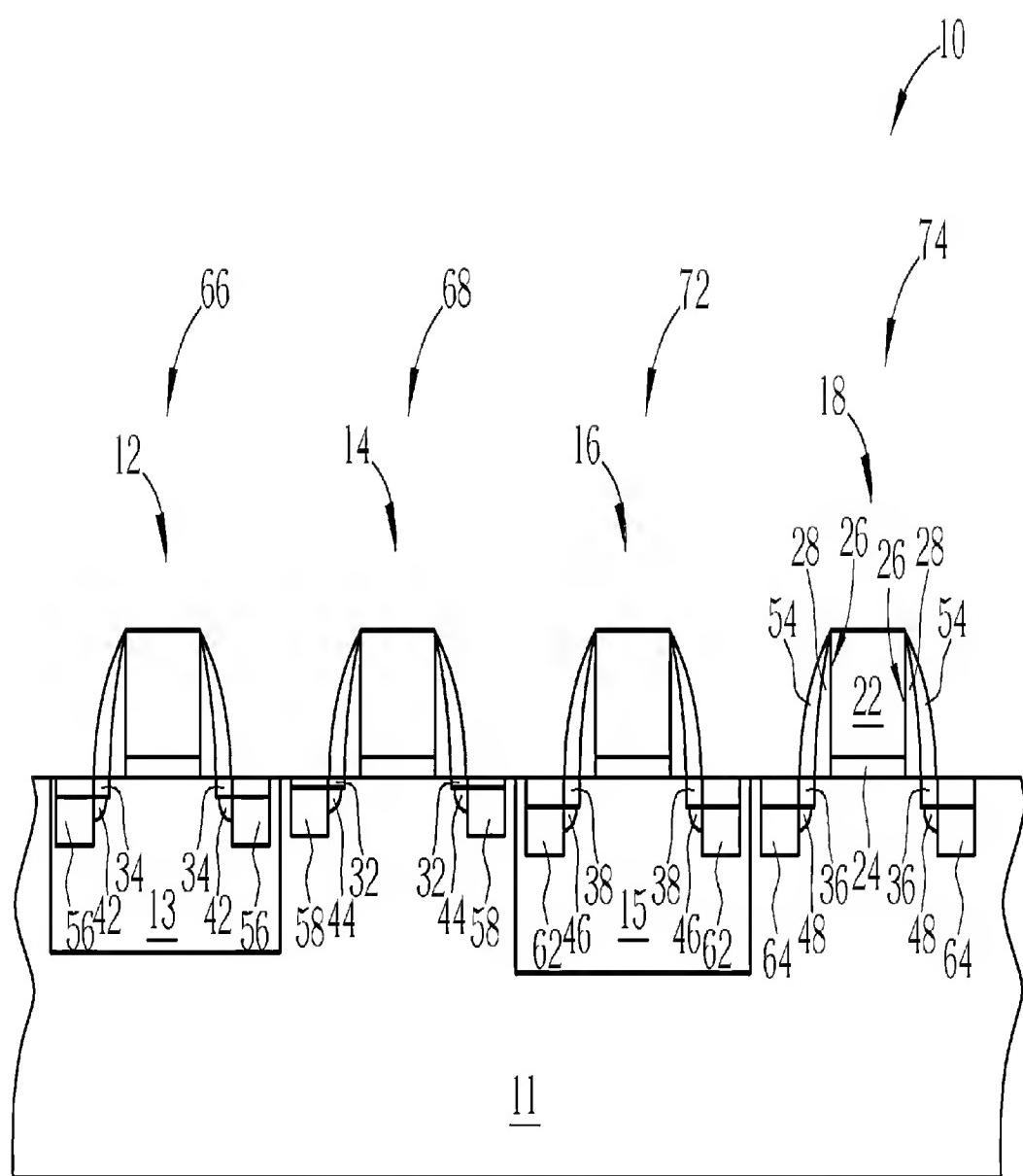


Fig. 4 Prior art

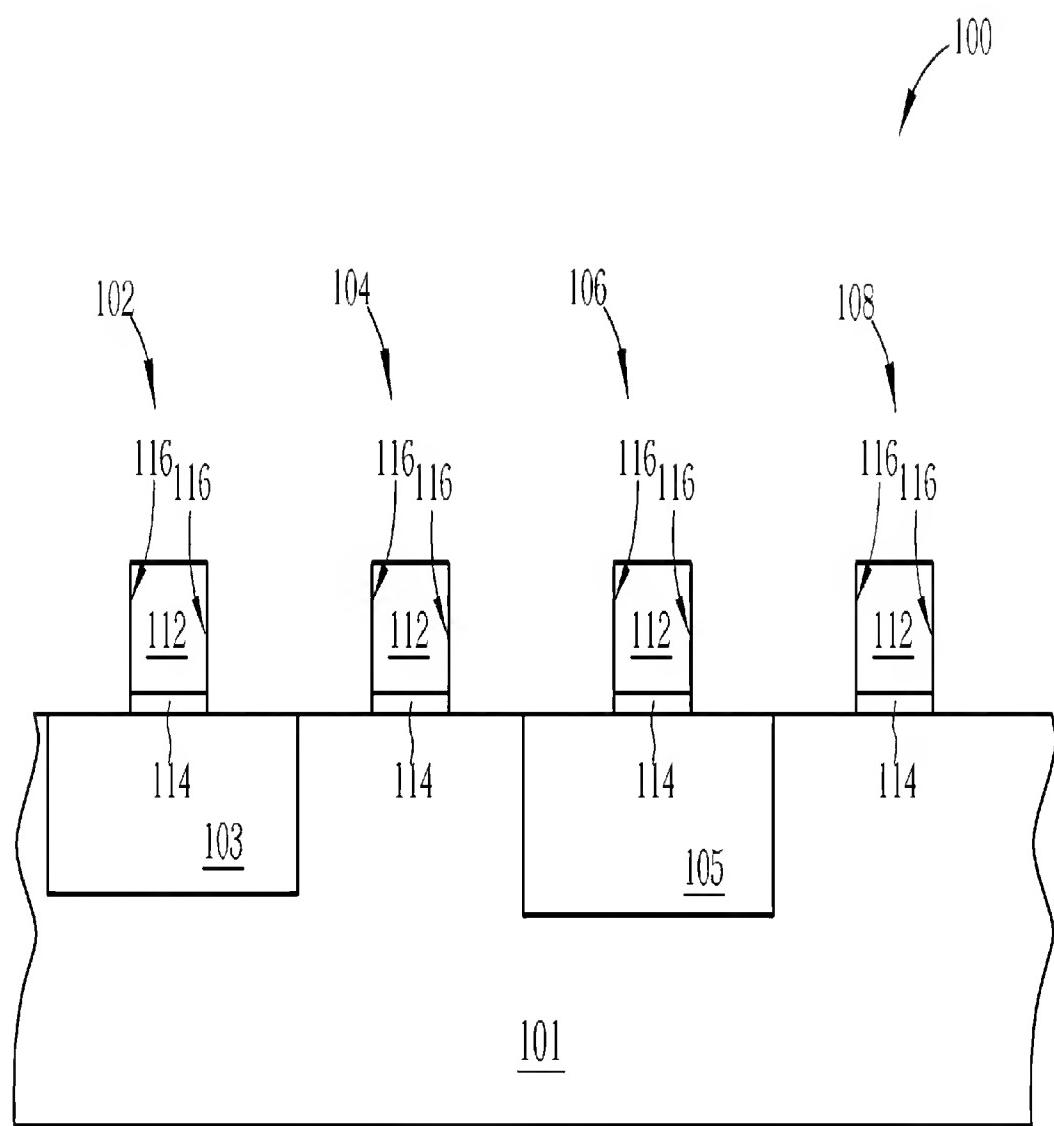


Fig. 5

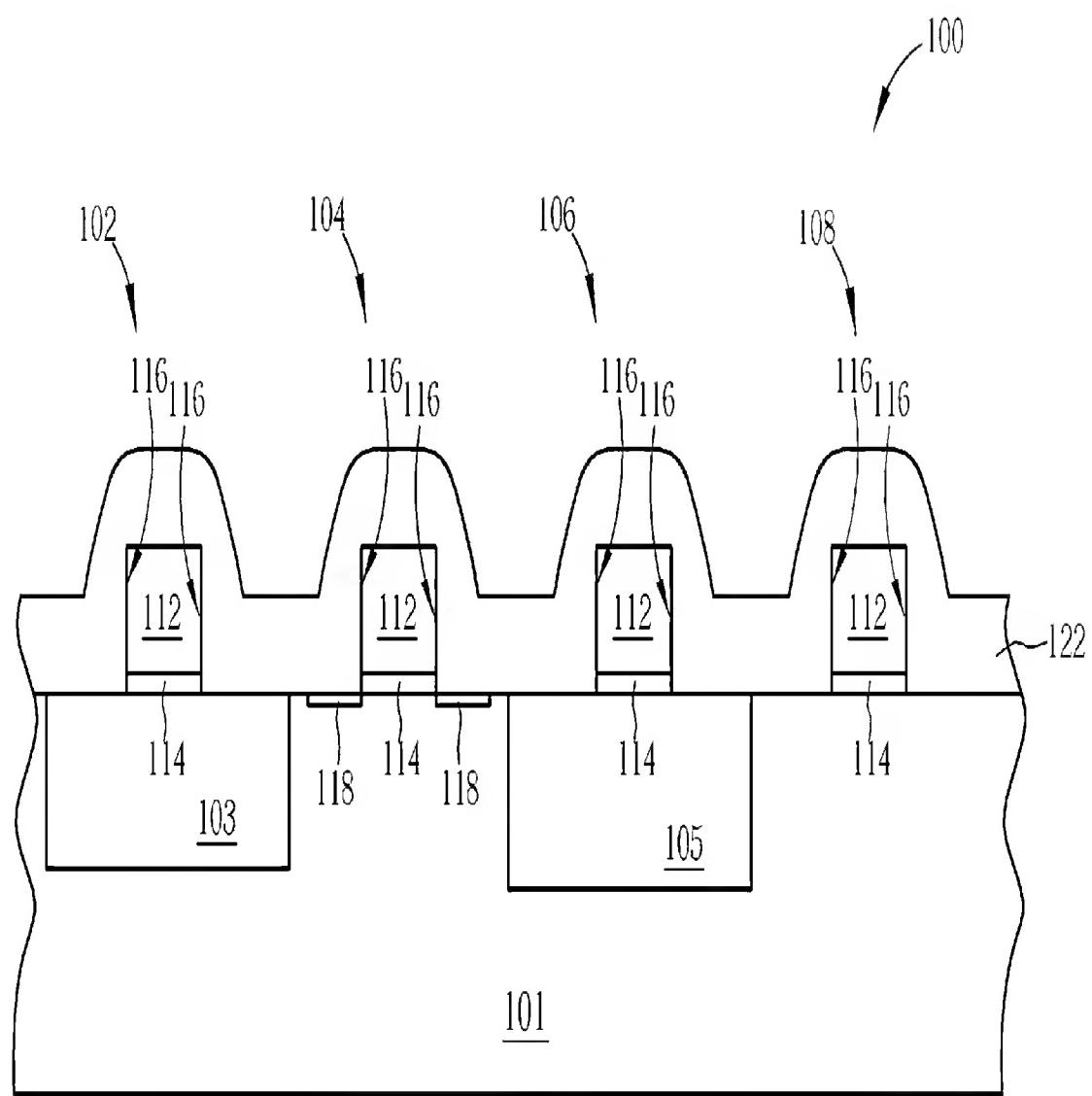


Fig. 6

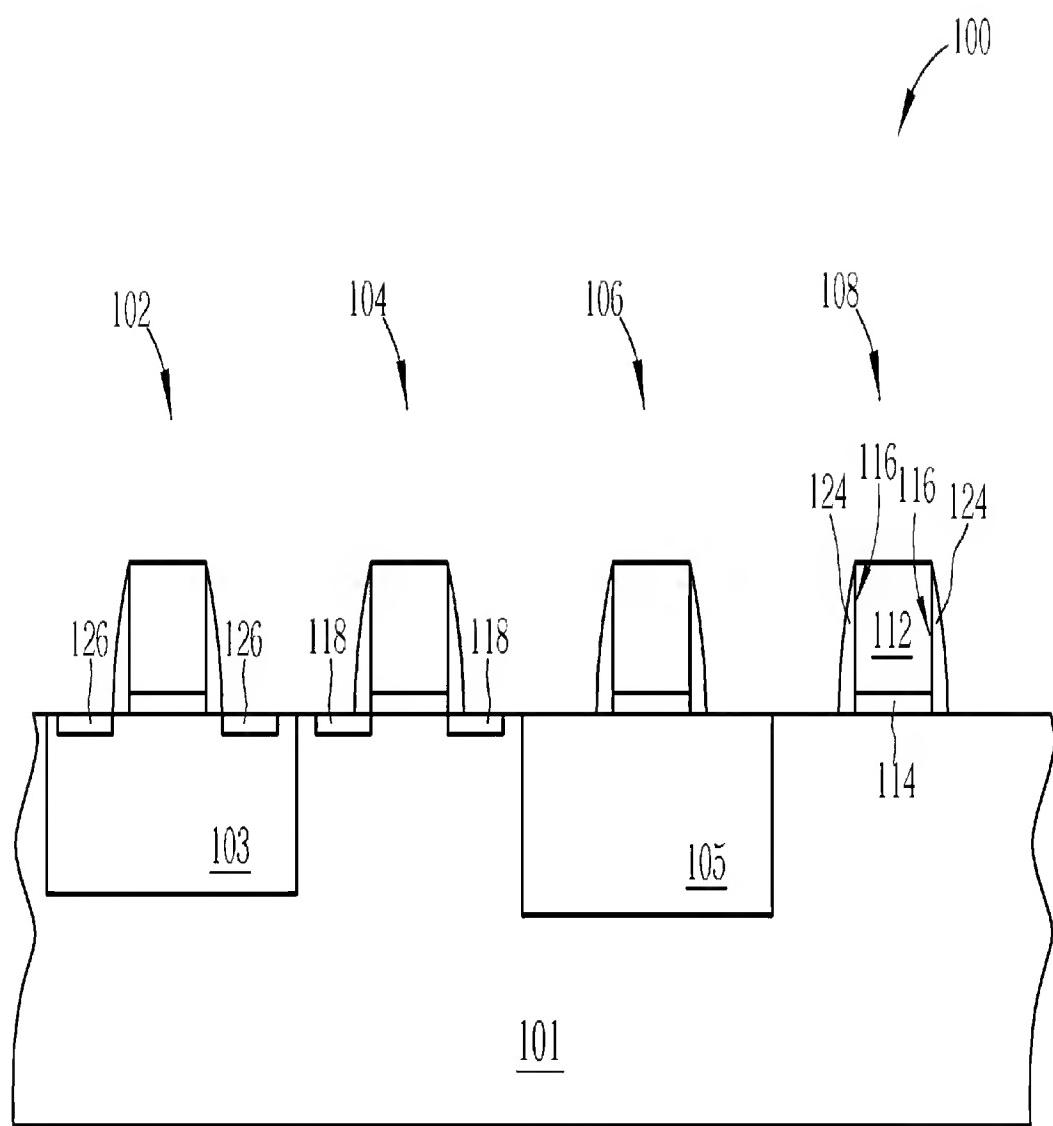


Fig. 7

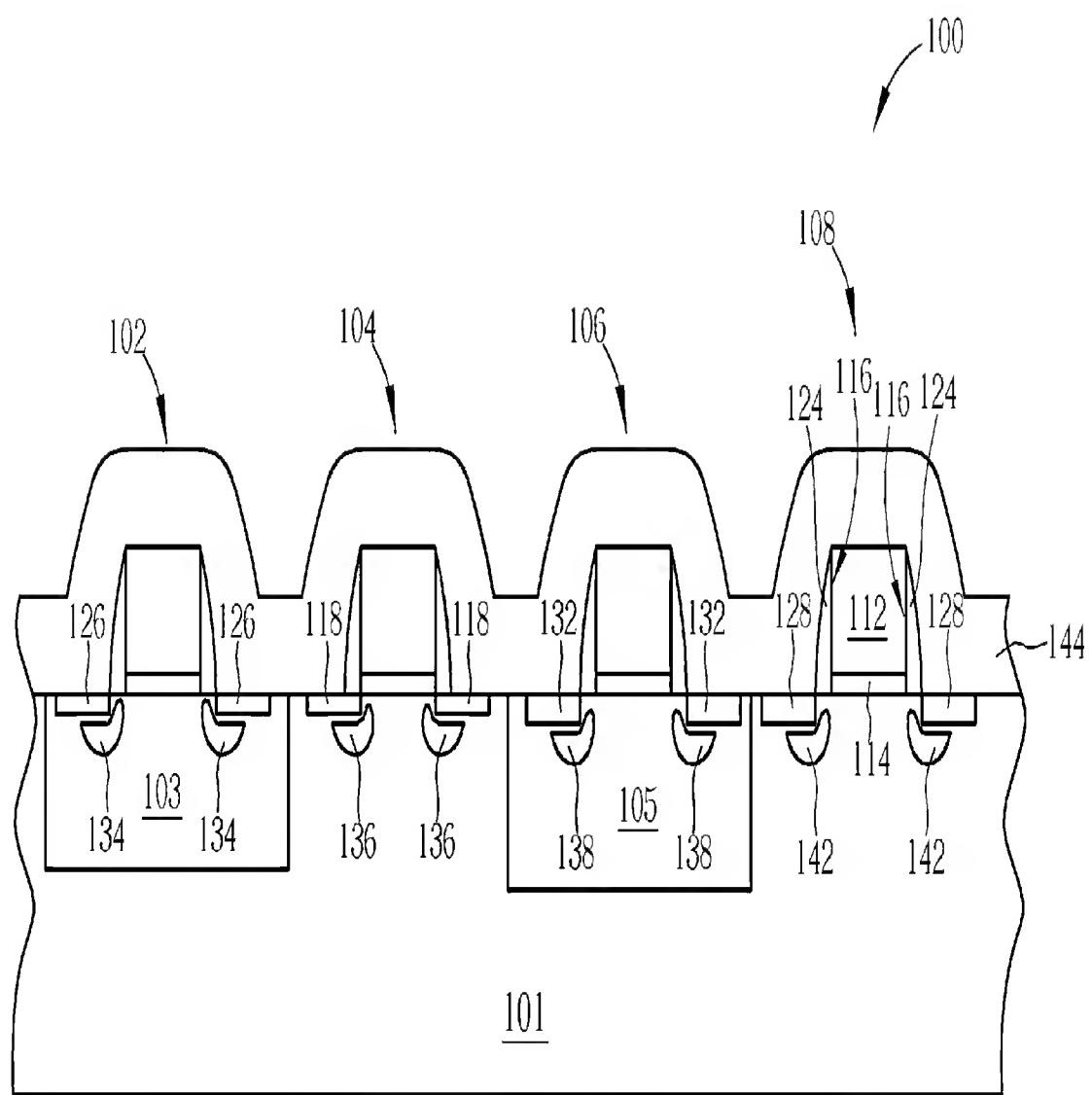


Fig. 8

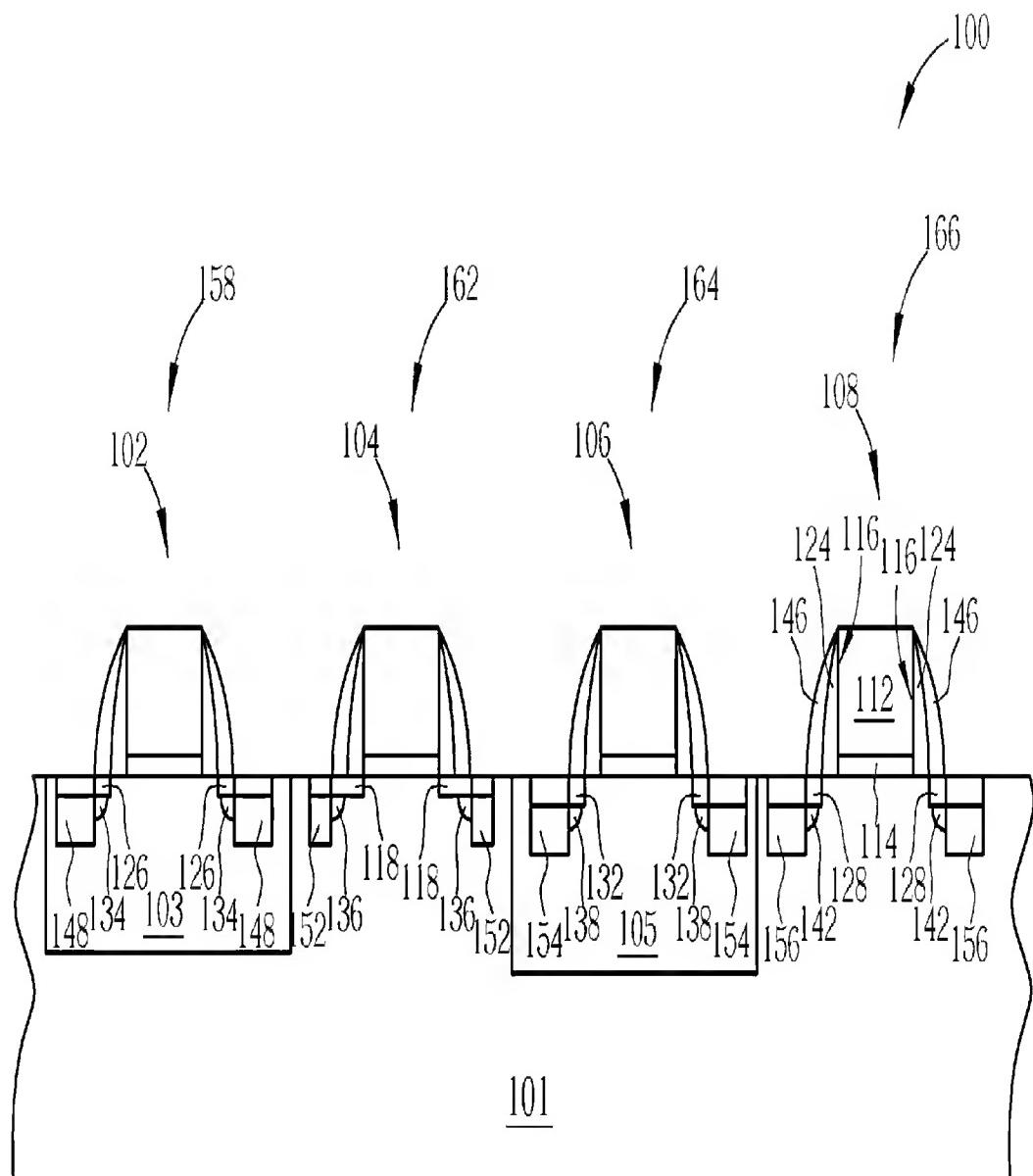


Fig. 9

### Impact ionization rate V.S. Saturation current

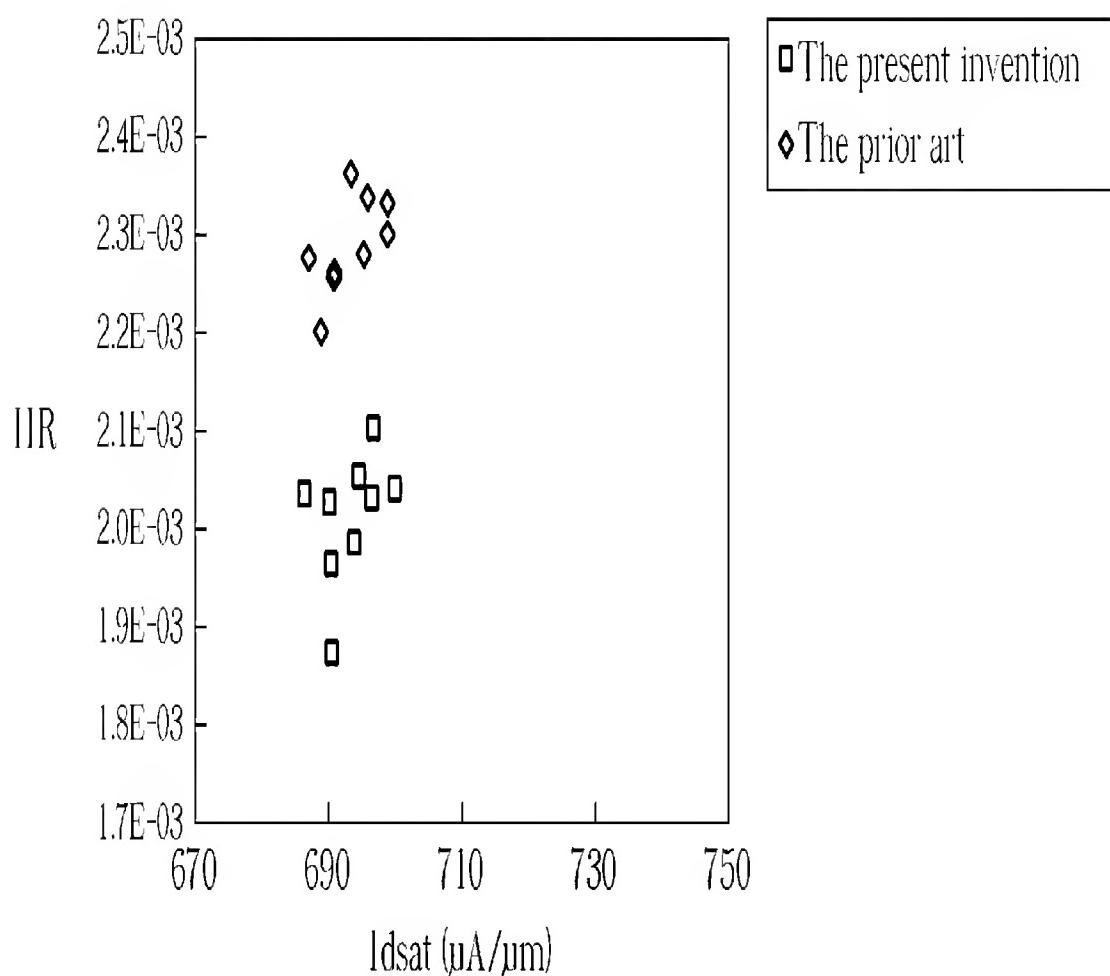


Fig. 10

Off-state current V.S. Saturation current

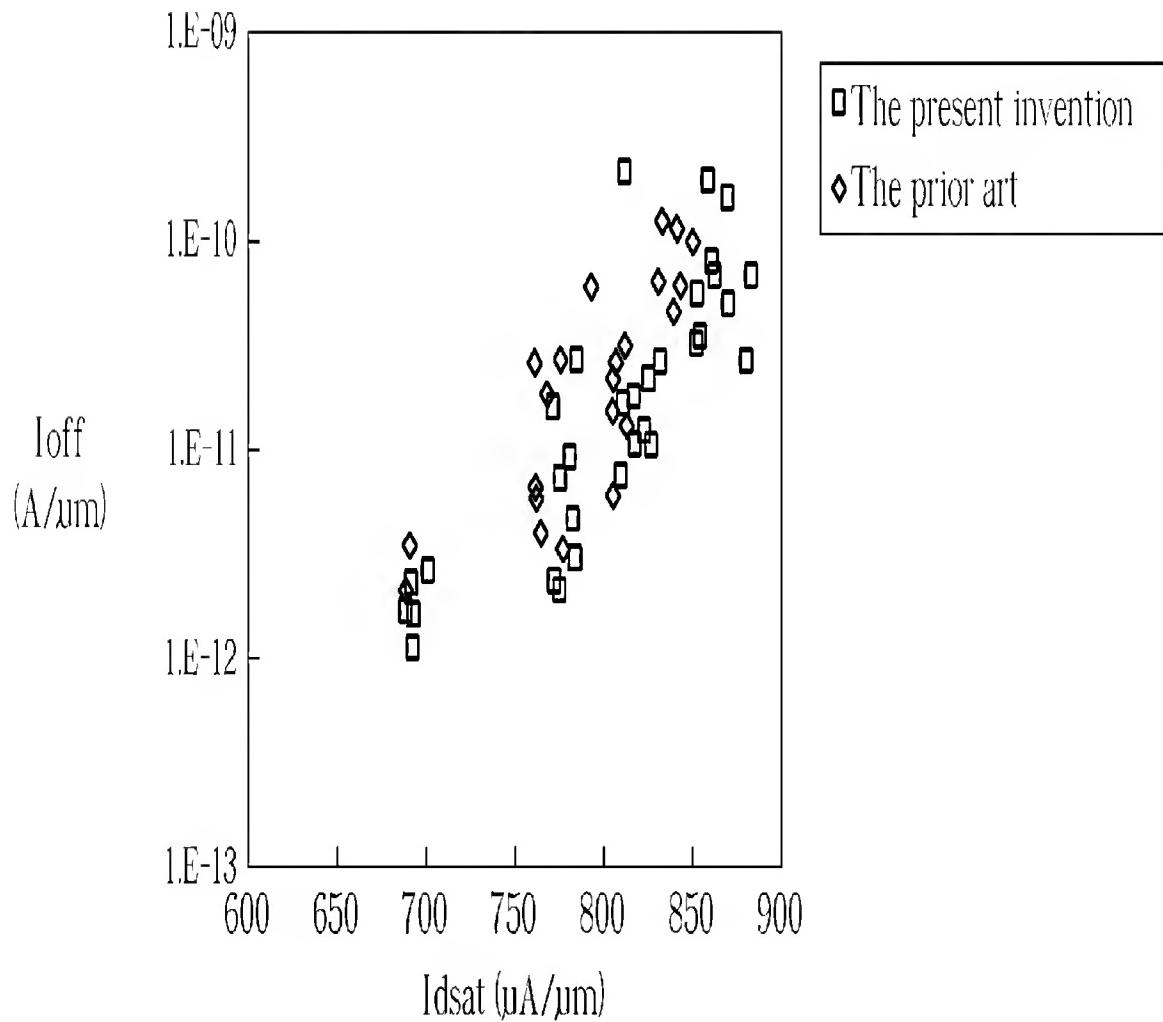


Fig. 11